ELSEVIER

Comput. Methods Appl. Mech. Engrg. 141 (1997) 407–408

Computer methods in applied mechanics and engineering

Contents Volume 141

Volume 141, Nos. 1–2, 15 February 1997

Finite element analysis of smooth, folded and multi-shell structures
J. Chróścielewski, J. Makowski and H. Stumpf 1

A comparative study of the discontinuous Galerkin and continuous SUPG finite element methods for computation of viscoelastic flows
F. Yurun 47

A mixed finite element model for plane strain elastic–plastic analysis. Part I. Formulation and assessment of the overall behaviour
A. Capsoni and L. Corradi 67

A mixed finite element model for plane strain elastic–plastic analysis. Part II. Application to the 4-node bilinear element
A. Capsoni and L. Corradi 81

A fixed point iterative algorithm for solving equations modeling the multi-stage flash desalination process
H. El-Dessouky and S. Bingulac 95

Second-order method of generalized geometric programming for spatial frame optimization
Y. Kang Sui and X. Cheng Wang 117

Three-dimensional solutions for free vibrations of initially-stressed thermoelectroelastic multilayered plates
K. Xu, A.K. Noor and Y.Y. Tang 125

On the automation of the force method in the optimal plastic design of frames
K.V. Spiliopoulos 141

An 8-node brick element with mixed formulation for large deformation analyses
K.P. Li and S. Cescotto 157

Volume 141, Nos. 3–4, 28 February 1997

Finite element analysis of conjugate natural convection in a square enclosure with a conducting vertical wall
D. Misra and A. Sarkar 205

Micromechanics of granular media Part II: Overall tangential moduli and localization model for periodic assemblies of circular disks
J.R. Wren and R.I. Borja 221

Complex variable approach to the BEM for multiple crack problems
M. Denda and Y.F. Dong 247

An eight-node curvilinear differential quadrature formulation for Reissner/Mindlin plates
J.-B. Han and K.M. Liew 265

Convergence of inexact Newton-like iterations in incremental finite element analysis of elasto-plastic problems
R. Blaheta and O. Axelsson 281

On a horizontal version of the inverse pendulum problem
Y. Yavin and C. Frangos 297

Some strange properties of minimal surfaces in connection with Plateau's problem
V. Visarion and M. Baubec 311

3D mesh adaptation. Optimization of tetrahedral meshes by advancing front technique
A. Rassineux 335

Polymorphic constitutive equations in finite element codes
R. Foerch, J. Besson, G. Cailletaud and P. Pilvin 355

Large-scale contact/impact simulation and sensitivity analysis on distributed-memory computers
B.C. Watson and A.K. Noor 373

Assessments of methods for locating the point of initial yield
J. Plešek and A. Křístek 389

Author Index of Volume 141 399

Subject Index of Volume 141 401

Instructions to authors 405

Contents Volume 141 407